

### EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"10588807"	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2008/07/16 14:46
S2	1	"6215119".pn.	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2008/07/16 14:51
S3	0	encoder period\$4 near3 signal frequency near3 ratio resolut near3 ratio phase near3 ratio	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2008/07/16 14:54
S4	4	encoder period\$4 near3 signal frequency near3 ratio resolution near3 ratio phase near3 ratio	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2008/07/16 14:54
S5	940	encoder period\$4 near3 signal (frequency near3 ratio or resolution near3 ratio or phase near3 ratio)	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2008/07/16 14:55
S6	2	encoder period\$4 near3 signal (frequency near3 ratio or resolution near3 ratio or phase near3 ratio) rotary "101".clas.	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2008/07/16 14:56
S7	1	rotary near3 element with encoder rotary near3 offset near3 press	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2008/07/16 15:29
S8	51	rotary near3 offset near3 press with (folder or folding)	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2008/07/16 15:29
S9	7	rotary near3 offset near3 press with (folder or folding) near3 rotary	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2008/07/16 15:30
S10	1	"4,271,379".pn.	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2008/07/16 15:36
S11	0	"4,271,379".pn. resolution	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2008/07/16 15:36
S12	19	resolution near3 ratio signal frequency near3 ratio phase near3 ratio	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2008/07/16 15:45
S13	1562	encoder\$4 "101".clas. (input or user near2 interfac\$4 or control\$4)	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2009/08/12 21:15

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S14	1114	(roll\$4 or cylinder or rotary\$4 or motor) with encoder\$4 "101".clas. (input or user near2 interfac\$4 or control\$4)	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2009/08/12 21:16
S15	420	(roll\$4 or cylinder or rotary\$4 or motor) with encoder\$4 "101".clas. (input or user near2 interfac\$4 or control\$4) encoder\$4 with signal	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2009/08/12 21:16
S16	391	(roll\$4 or cylinder or rotary\$4 or motor) with encoder\$4 "101".clas. (input or user near2 interfac\$4 or control\$4) encoder\$4 with signal @ad<="20060807"	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2009/08/12 21:16
S17	361	(roll\$4 or cylinder or rotary\$4 or motor) with encoder\$4 "101".clas. (input or user near2 interfac\$4 or control\$4) encoder\$4 with signal @ad<="20050214"	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2009/08/12 21:19
S18	1	"10588807"	US-PGPUB; USPAT; EPO; JPO	AND	ON	2010/07/29 12:14
S19	2	"7302237"	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2010/07/29 12:34
S20	16	(multipl\$4 or plural\$4) with synthesiz\$4 "101".clas.	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2011/02/08 17:49
S21	156	(multipl\$4 or plural\$4) with puls\$4 with generat\$4 "101".clas.	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2011/02/08 17:51
S22	77	(multipl\$4 or plural\$4) near5 puls\$4 with generat\$4 "101".clas.	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2011/02/08 17:51
S23	1	"10553299"	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2011/02/08 17:54
S24	38	(20010018872 20020171581 2003009917 6 20030186670 20030191544 200302326 12 20060290210 385174214278921 4368 39414495582 4886680 50400881 50897591 520064815263413 5278489 5300096 530 9834 5335597 5455764 5615609 567803 0 5740211 5743184 5787806 5792483 59 47023 6095043 6229616 6284167 63204 3 6343549 6456222 6539860 6724840 6 73606216778603).PN.	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2011/02/08 18:01

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S25	83	(multipl\$4 or plural\$4) with puls\$4 with generat\$4 (resolution or phase) "101". clas.	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2011/02/08 18:09
S26	10	(alain near2 colin).in.	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2011/02/08 18:58
S27	9	(emmanuel near2 lebeuf).in.	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2011/02/08 18:59
S28	8	(yves caulier).in.	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2011/02/08 18:59
S29	13	("20020058086" "4839671" "5947023" "42 71379" "5894802" "20030183102" "56104 91" "20050093636" "5058145" "5263413" " 6215119" "5058145" "5242367" "730223 7").PN.	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2012/03/04 19:45
S30	3	"101".clas. encoder with folder with pulse	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2012/03/05 14:24
S31	578	encoder\$4 "101".clas. (input or user near2 interfac\$4 or control\$4) with puls\$4	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2012/03/05 14:26
S32	6658	encoder\$4 puls\$4 with divid\$4	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2012/03/05 15:37
S33	76	encoder\$4 puls\$4 with divid\$4 "101".clas.	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2012/03/05 15:37
S34	125	pulse same encoder same control\$4 with press	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2012/03/05 18:35
S35	1	"10553299"	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2012/03/05 18:40

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S36	38	( "3851742" "5335597" "6539860" "504008 8" "5947023" "4278921" "5300096" "5455 764" "20030186670" "5615609" "5743184  "4495582" "6284167" "20030191544" "5 678030" "5792483" "5089759" "5263413" " *4368394" "20010018872" "6229616" "57 87806" "4886680" "20030232612" "20020 171581" "5278489" "5740211" "6343549" " 6724840" "20060290210" "6320434" "53 09834" "6095043" "6456222" "5200648" " 20030099176" "6736062" "6778603").PN.	US-PGPUB; USPAT; EPO; JPO	AND	OFF	2012/03/05 18:40
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